

PATENT

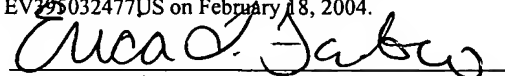
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:)	
)	Group Art Unit: Unassigned
H. Gill)	
)	Examiner: Unassigned
Application No. Unassigned)	
)	Atty. Docket No. HIT1P069/
)	HSJ920030276US1
Filed: Herewith)	
)	Date: February 18, 2004
For: SELF-PINNED CPP SENSOR USING)	
FE/CR/FE STRUCTURE)	
)	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 with label number EV295032477US on February 18, 2004.

Signed:



Erica L. Farlow

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56 AND 1.97(b)**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

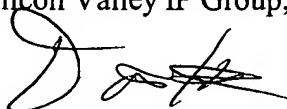
Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-2587 (Order No. HSJ920030276US1/HIT1P069).

Respectfully submitted,
Silicon Valley IP Group, PC

A handwritten signature in black ink, appearing to read 'D. Kotab', with a stylized flourish at the end.

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Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No. HIT1P069/ HSJ920030276US1	Application No.: Unassigned
	Applicant: H. Gill Filing Date: Herewith	Group Art Unit: Unassigned

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	1	2003/0161077	08/28/2003	Kawawake et al.	360	324.1	06/21/2001
	2	6,608,738	08/19/2003	Sakakima et al.	360	324.11	08/01/2001
	3	6,603,642	08/05/2003	Araki et al.	360	324	10/11/2000
	4	2003/0011944	01/16/2003	Hosomi	360	324.1	05/29/2002
	5	2002/0085323	07/04/2002	Smith et al.	360	324.12	01/04/2001
	6	2002/0051380	05/02/2002	Kamiguchi et al.	365	158	09/07/2001
	7	2002/0048128	04/25/2002	Kamiguchi et al.	360	324.1	10/19/2001
	8	2001/0012187	08/09/2001	Lai et al.	360	324.11	12/09/1998
	9	6,159,593	12/12/2000	Iwasaki et al.	428	332	04/16/1998
	10	5,657,191	08/12/1997	Yuan	360	113	09/18/1995
	11	5,598,308	01/28/1997	Dieny et al.	360	113	08/15/1994
	12	5,583,725	12/10/1996	Coffey et al.	360	113	06/15/1994
	13	5,408,377	04/18/1995	Gurney et al.	360	113	10/15/1993
	14	5,341,118	08/23/1994	Parkin et al.	338	32	05/06/1993
	15	5,313,186	05/17/1994	Schuhl et al.	338	32	12/16/1992
	16	5,134,533	07/28/1992	Friedrich et al.	360	113	06/21/1990
	17	4,949,039	08/14/1990	Grunberg	324	252	06/14/1989

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	18	7221363	1995-08-18	JP	H01L	43/08		
	19							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	20	Gijs, M. et al., "Perpendicular giant magnetoresistance of microstructures in Fe/Cr and Co/Cu multilayers (invited)", J.Appl. Phys, Vol. 75, No. 10, May 15, 1994
	21	Herper, H. et al., "Ab initio study of CPP transport in Fe/CR/Fe trilayers: influence of transition metal impurities", Mat. Res. Soc. Symp. Proc. Vol. 746, 2003
	22	Mathon, J., "Ab initio calculation of the perpendicular giant magnetoresistance of finite Co/Cu(001) and Fe/Cr(001) superlattices with fluctuating layer thickness", Physical Review B, Volume 55, No. 2, January 1, 1997
	23	Parkin, S., "Oscillations in Exchange Coupling and Magnetoresistance in Metallic Superlattice Structures: Co/Ru, Co/Cr, and Fe/Cr", Physical Review Letters, Volume 64, No. 19, May 7, 1990
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.